**Supplemental Table 1:** Group comparison of preprocessing results. FXS, Fragile X Syndrome.

|  | **FXS** | **Control** |  |
| --- | --- | --- | --- |
|  | ***N=65*** | ***N=70*** | **p** |
| Remaining Trials | 128 (20.3) | 131 (16.1) | 0.348 |
| Bad Channels | 6.45 (3.21) | 5.96 (3.71) | 0.413 |
| Artifact Components | 11.3 (1.76) | 10.8 (2.48) | 0.158 |